

New York State Department of Transportation

Yellow Flag NB2228W011

By: Ben Colangelo

Flag Date: March 22, 2022

Superseding Information:

This flag supersedes: YF NB2158W016

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: March 22, 2022 10:00:00 AM

Of: NYSDOT Region 11

Signature Information

Signature: Ben Colangelo, P.E. 068498

Date: April 15, 2022

Reviewed By: Robert Kemp

Date: April 15, 2022

Attachments: 4

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 102			
	PR311 - Movable Bearing	17	each

Flagged Condition Description

This Yellow Flag No. NB2228W011 supersedes existing Yellow Flag No. NB2158W016.

Location: Span 103 Girder G15 at Pier 102

Description: The expansion bearing under Girder G15 on Span 103 side of Pier 102 is not functioning as designed. Although the bearing plate is presently flush with the pedestal at both sides of the bearing at 55 degree F, the bearing plate was previously noted in the last inspection to be overhanging the pedestal for 1/2" at both sides of the bearing at a temperature of 56 degree F. Additionally, the sliding bearing plate is loose and moves when the inspection team hammers at the bearing plate (same as the previous inspection). The front keeper plate at the bearing is missing.

The bearing exhibits moderate to heavy corrosion with up to 15% section loss.

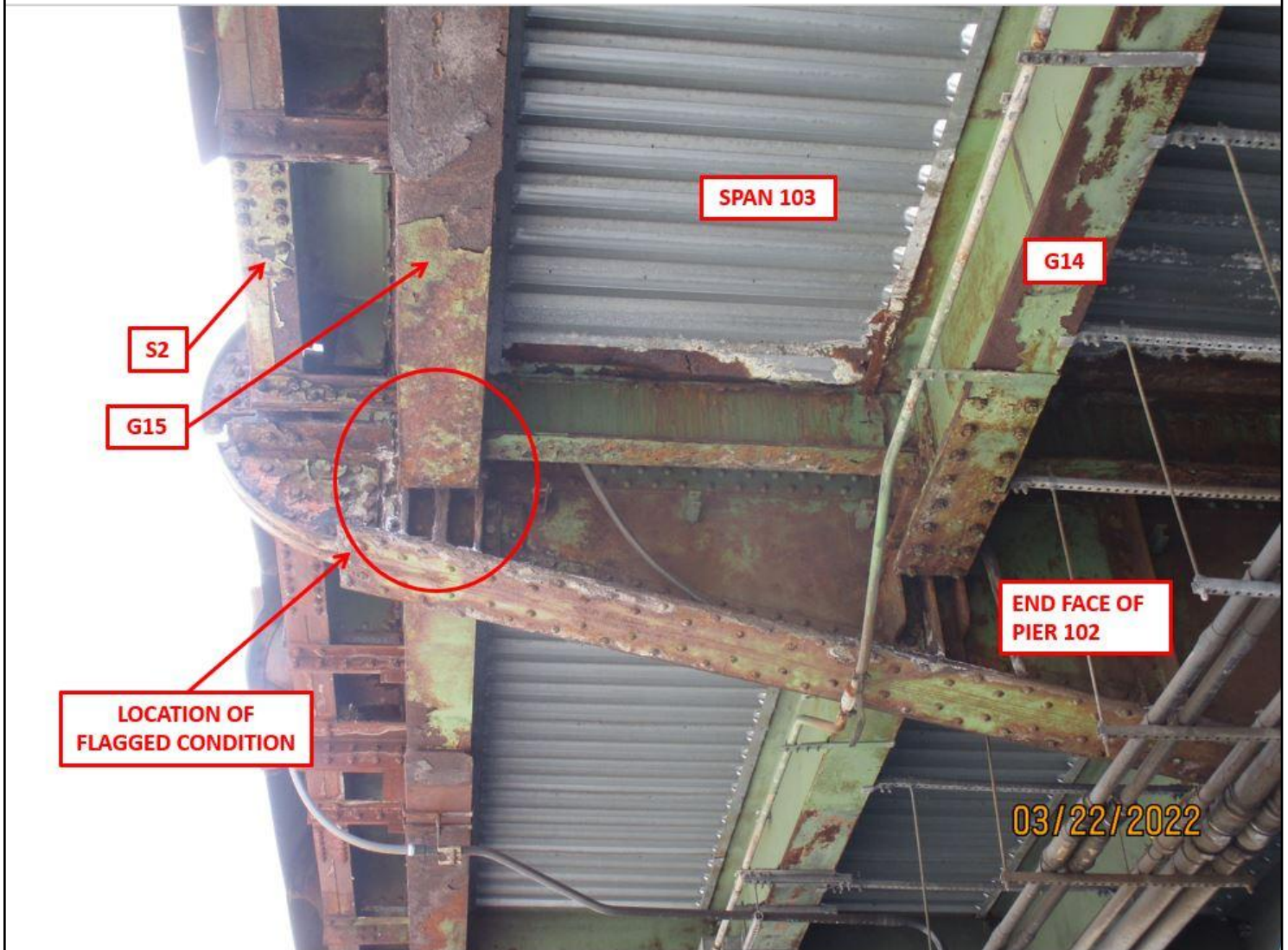
Notes:

- 1.The right guide angle exhibits area of 100% section loss at the top for 5" x 5" and at the bottom for 4" x 2" (no change from the previous inspection).
- 2.The left guide angle exhibits up to 50% section loss with 1" diameter hole. The keeper plates at both sides of the bearing exhibit corrosion but in generally good condition. Both guide angle bolts are broken or missing (no change from the previous).
- 3.The joint seal in Bay 14 is hanging and the right curb plate has holes causing dirt and debris build up at Girder G15 bearing and pedestals.
- 4.The end of Girder G15 above the bearing exhibits 20% section loss at the lower web above the bottom flange and for the full web height adjacent to the guide angles (no change from the previous).
- 5.The adjacent Girder G14 is in generally good condition.
- 6.The adjacent bearing under adjacent Girder G14 exhibits moderate to heavy corrosion with approximately 20% section loss to the bearing plate with full height vertical thru cracks at both guide angles (no change from the previous).
- 7.The flagged condition is located above the center lane on 3rd Avenue EB roadway and was accessed using 30ft bucket truck with double left lane closure.

Flag Photographs

Photo Number: 1

Photo Filename: 306-3243.JPG



Attachment Description: General view of the flagged condition at the bearing under Girder G15 on Span 103 side of Pier 102. Looking Begin.

Photo Number: 2

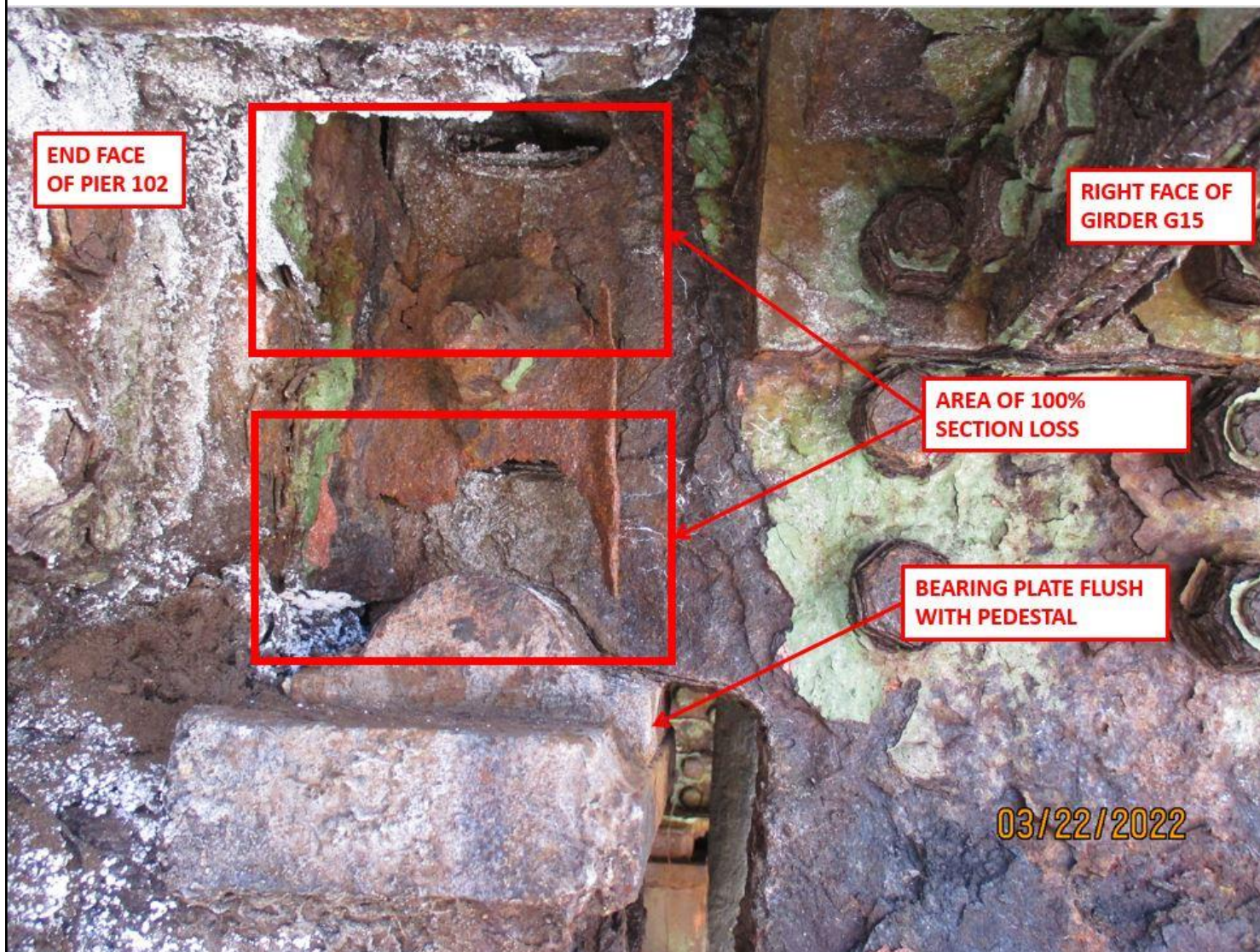
Photo Filename: 306-3231.JPG



Attachment Description: The left face of the bearing under Girder G15 on Span 103 side at Pier 102. The bearing plate is loose and is flush with the pedestal with the front keeper plate missing. Looking Right.

Photo Number: 3

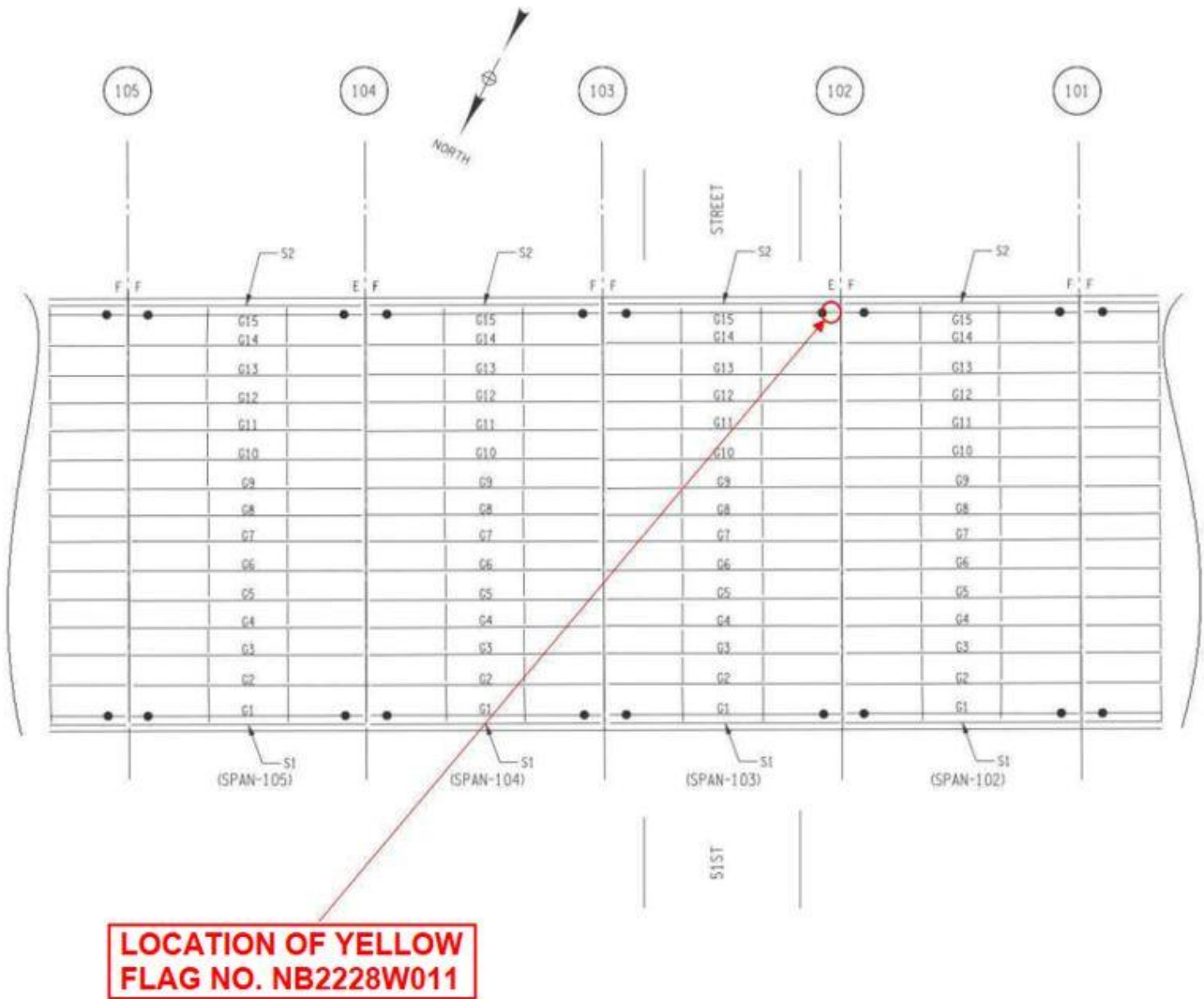
Photo Filename: 306-3220.JPG



Attachment Description: The right face of the bearing under Girder G15 on Span 103 side at Pier 102. The bearing plate is loose and is flush with the pedestal with areas of 100% section loss at the right guide angle. Looking Left.

Photo Number: 4

Photo Filename: FRAMING PLAN.JPG



Attachment Description: BIN 1065318, Framing Plan, Spans 102-105